

NOV 05 2004

PTO/SB/02 (09-00)

Approved for use through 10/31/2002. OMB 0651-0031

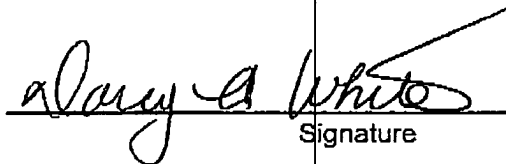
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**Certificate of Facsimile under 37 CFR 1.8**

I hereby certify that this correspondence is being transmitted via facsimile to (703) 872-9306 at the United States Patent and Trademark Office on the date shown below.

on November 5, 2004  
Date

  
Signature

Darcy A. White

Type or printed name of person signing Certificate

Note: Each paper must have its own certificate of facsimile, or this certificate must identify each submitted paper.

Application Number: 10/705,716  
Filing Date: November 10, 2003  
Applicant: John A. Robinson et al.  
Attorney Docket: AM100401  
Title: A NOVEL PTH RESPONSIVE GENE

- Transmittal Form
- Fee Transmittal
- Petition for Extension of Time
- Change of Correspondence Address
- Response to Restriction Requirement

Please type a plus sign (+) inside this box →

+

PTO/SB/21(08-00)

Approved for use through 10/31/2002, OMB 0851-0031

U.S. Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/705,716	
	Filing Date	November 10, 2003	
	First Named Inventor	John A. Robinson	
	Group Art Unit	1653	
	Examiner Name	Anand U. Desai	
Total Number of Pages in This Submission	9	Attorney Docket Number	AM100401

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input checked="" type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below) • Certificate of Facsimile Transmission
Remarks		

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Kathleen W. Gelger, Esquire Reg. No.: 35,880
Signature	<i>Kathleen W. Gelger</i>
Date	November 5, 2004

## CERTIFICATE OF FACSIMILE

I hereby certify that this correspondence is being faxed to (703) 872-9306 at the United States Patent and Trademark Office on the date shown below.			
Typed or printed name	Darcy A. White		
Signature	<i>Darcy A. White</i>	Date	November 5, 2004

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450 Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

PTO/5B/17 (11-01)  
Approved for use through 10/31/2002. OMB 0681-0032  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
A collection of information unless it displays a valid OMB control number

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

<h2 style="text-align: center;">FEE TRANSMITTAL for FY 2004</h2> <p style="text-align: center;"><i>Patent fees are subject to annual revision.</i></p>		<i>Complete if Known</i>	
		Application Number	10/705,716
		Filing Date	November 10, 2003
		First Named Inventor	John A. Robinson
		Examiner Name	Anand U. Desai
		Group / Art Unit	1653
<input type="checkbox"/> Applicant Claims small entity status. See 37 CFR 1.27		Attorney/Docket No	AM100401
TOTAL AMOUNT OF PAYMENT (\$)		430.00	

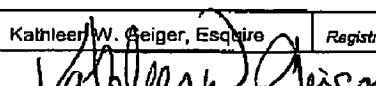
<b>METHOD OF PAYMENT (check all that apply)</b> <input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None <input checked="" type="checkbox"/> Deposit Account: Deposit Account Number: <b>501447</b> Deposit Account Name: <b>Potter Anderson &amp; Corroon LLP</b> The Commissioner is authorized to: (check all that apply) <input checked="" type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments <input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account		<b>FEE CALCULATION (continued)</b> <b>3. ADDITIONAL FEES</b> <table border="1"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>105</td> <td>330</td> <td>205</td> <td>65</td> <td>Surcharge - late filing fee or oath</td> <td></td> </tr> <tr> <td>127</td> <td>50</td> <td>227</td> <td>25</td> <td>Surcharge - late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>139</td> <td>130</td> <td>139</td> <td>130</td> <td>Non-English specification</td> <td></td> </tr> <tr> <td>147</td> <td>2,520</td> <td>147</td> <td>2,520</td> <td>For filing a request for reexamination</td> <td></td> </tr> <tr> <td>112</td> <td>820*</td> <td>112</td> <td>820*</td> <td>Requesting publication of SIR prior to Examiner action</td> <td></td> </tr> <tr> <td>113</td> <td>1,840*</td> <td>113</td> <td>1,840*</td> <td>Requesting publication of SIR after Examiner action</td> <td></td> </tr> <tr> <td>115</td> <td>110</td> <td>215</td> <td>55</td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>116</td> <td>430</td> <td>216</td> <td>215</td> <td>Extension for reply within second month</td> <td>450.00</td> </tr> <tr> <td>117</td> <td>980</td> <td>217</td> <td>480</td> <td>Extension for reply within third month</td> <td></td> </tr> <tr> <td>118</td> <td>1,530</td> <td>218</td> <td>785</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>128</td> <td>2,080</td> <td>228</td> <td>1,040</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>119</td> <td>340</td> <td>219</td> <td>170</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>120</td> <td>340</td> <td>220</td> <td>170</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>121</td> <td>300</td> <td>221</td> <td>150</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>138</td> <td>1,510</td> <td>138</td> <td>1,510</td> <td>Petition to institute a public use proceeding</td> <td></td> </tr> <tr> <td>140</td> <td>110</td> <td>240</td> <td>55</td> <td>Petition to revive - unavoidable</td> <td></td> </tr> <tr> <td>141</td> <td>1,370</td> <td>241</td> <td>685</td> <td>Petition to revive - unintentional</td> <td></td> </tr> <tr> <td>142</td> <td>1,370</td> <td>242</td> <td>685</td> <td>Utility issue fee (or reissue)</td> <td></td> </tr> <tr> <td>143</td> <td>490</td> <td>243</td> <td>245</td> <td>Design issue fee</td> <td></td> </tr> <tr> <td>144</td> <td>660</td> <td>244</td> <td>330</td> <td>Plant issue fee</td> <td></td> </tr> <tr> <td>122</td> <td>130</td> <td>122</td> <td>130</td> <td>Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>123</td> <td>50</td> <td>123</td> <td>50</td> <td>Processing fee under 37 CFR 1.17(q)</td> <td></td> </tr> <tr> <td>126</td> <td>80</td> <td>126</td> <td>180</td> <td>Submission of Information Disclosure Sheet</td> <td></td> </tr> <tr> <td>581</td> <td>40</td> <td>581</td> <td>40</td> <td>Recording each patent assignment per property (times number of properties)</td> <td></td> </tr> <tr> <td>146</td> <td>290</td> <td>246</td> <td>395</td> <td>Filing a submission after final rejection (37 CFR § 1.129(a))</td> <td></td> </tr> <tr> <td>149</td> <td>290</td> <td>249</td> <td>395</td> <td>For each additional invention to be examined (37 CFR § 1.129(b))</td> <td></td> </tr> <tr> <td>179</td> <td>290</td> <td>279</td> <td>395</td> <td>Request for Continued Examination (RCE)</td> <td></td> </tr> <tr> <td>169</td> <td>900</td> <td>169</td> <td>900</td> <td>Request for expedited examination of a design application</td> <td></td> </tr> </tbody> </table>		Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	105	330	205	65	Surcharge - late filing fee or oath		127	50	227	25	Surcharge - late provisional filing fee or cover sheet		139	130	139	130	Non-English specification		147	2,520	147	2,520	For filing a request for reexamination		112	820*	112	820*	Requesting publication of SIR prior to Examiner action		113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action		115	110	215	55	Extension for reply within first month		116	430	216	215	Extension for reply within second month	450.00	117	980	217	480	Extension for reply within third month		118	1,530	218	785	Extension for reply within fourth month		128	2,080	228	1,040	Extension for reply within fifth month		119	340	219	170	Notice of Appeal		120	340	220	170	Filing a brief in support of an appeal		121	300	221	150	Request for oral hearing		138	1,510	138	1,510	Petition to institute a public use proceeding		140	110	240	55	Petition to revive - unavoidable		141	1,370	241	685	Petition to revive - unintentional		142	1,370	242	685	Utility issue fee (or reissue)		143	490	243	245	Design issue fee		144	660	244	330	Plant issue fee		122	130	122	130	Petitions to the Commissioner		123	50	123	50	Processing fee under 37 CFR 1.17(q)		126	80	126	180	Submission of Information Disclosure Sheet		581	40	581	40	Recording each patent assignment per property (times number of properties)		146	290	246	395	Filing a submission after final rejection (37 CFR § 1.129(a))		149	290	249	395	For each additional invention to be examined (37 CFR § 1.129(b))		179	290	279	395	Request for Continued Examination (RCE)		169	900	169	900	Request for expedited examination of a design application	
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																		
105	330	205	65	Surcharge - late filing fee or oath																																																																																																																																																																																	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																																	
139	130	139	130	Non-English specification																																																																																																																																																																																	
147	2,520	147	2,520	For filing a request for reexamination																																																																																																																																																																																	
112	820*	112	820*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																	
115	110	215	55	Extension for reply within first month																																																																																																																																																																																	
116	430	216	215	Extension for reply within second month	450.00																																																																																																																																																																																
117	980	217	480	Extension for reply within third month																																																																																																																																																																																	
118	1,530	218	785	Extension for reply within fourth month																																																																																																																																																																																	
128	2,080	228	1,040	Extension for reply within fifth month																																																																																																																																																																																	
119	340	219	170	Notice of Appeal																																																																																																																																																																																	
120	340	220	170	Filing a brief in support of an appeal																																																																																																																																																																																	
121	300	221	150	Request for oral hearing																																																																																																																																																																																	
138	1,510	138	1,510	Petition to institute a public use proceeding																																																																																																																																																																																	
140	110	240	55	Petition to revive - unavoidable																																																																																																																																																																																	
141	1,370	241	685	Petition to revive - unintentional																																																																																																																																																																																	
142	1,370	242	685	Utility issue fee (or reissue)																																																																																																																																																																																	
143	490	243	245	Design issue fee																																																																																																																																																																																	
144	660	244	330	Plant issue fee																																																																																																																																																																																	
122	130	122	130	Petitions to the Commissioner																																																																																																																																																																																	
123	50	123	50	Processing fee under 37 CFR 1.17(q)																																																																																																																																																																																	
126	80	126	180	Submission of Information Disclosure Sheet																																																																																																																																																																																	
581	40	581	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																	
146	290	246	395	Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																																																																																	
149	290	249	395	For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																																																																	
179	290	279	395	Request for Continued Examination (RCE)																																																																																																																																																																																	
169	900	169	900	Request for expedited examination of a design application																																																																																																																																																																																	

<b>1. BASIC FILING FEE</b> <table border="1"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>101</td> <td>790</td> <td>201</td> <td>395</td> <td>Utility filing fee</td> <td></td> </tr> <tr> <td>106</td> <td>350</td> <td>206</td> <td>175</td> <td>Design filing fee</td> <td></td> </tr> <tr> <td>107</td> <td>550</td> <td>207</td> <td>275</td> <td>Plant filing fee</td> <td></td> </tr> <tr> <td>108</td> <td>790</td> <td>208</td> <td>395</td> <td>Reissue filing fee</td> <td></td> </tr> <tr> <td>114</td> <td>160</td> <td>214</td> <td>80</td> <td>Provisional filing fee</td> <td></td> </tr> </tbody> </table>						Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	101	790	201	395	Utility filing fee		106	350	206	175	Design filing fee		107	550	207	275	Plant filing fee		108	790	208	395	Reissue filing fee		114	160	214	80	Provisional filing fee	
Large Entity		Small Entity		Fee Description	Fee Paid																																								
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																										
101	790	201	395	Utility filing fee																																									
106	350	206	175	Design filing fee																																									
107	550	207	275	Plant filing fee																																									
108	790	208	395	Reissue filing fee																																									
114	160	214	80	Provisional filing fee																																									
SUBTOTAL (1)					(\$) 0																																								

<b>2. EXTRA CLAIM FEES</b> <table border="1"> <thead> <tr> <th>Total Claims</th> <th>Independent Claims</th> <th>Multiple Dependent</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>-20</td> <td>-3</td> <td></td> <td></td> <td>18</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>88</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>300</td> <td>0</td> </tr> </tbody> </table>						Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid	-20	-3			18						88						300	0																
Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid																																								
-20	-3			18																																									
				88																																									
				300	0																																								
<table border="1"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>103</td> <td>18</td> <td>203</td> <td>9</td> <td>Claims in excess of 20</td> <td></td> </tr> <tr> <td>102</td> <td>88</td> <td>202</td> <td>44</td> <td>Independent claims in excess of 3</td> <td></td> </tr> <tr> <td>104</td> <td>300</td> <td>204</td> <td>150</td> <td>Multiple dependent claim, if not paid</td> <td></td> </tr> <tr> <td>109</td> <td>88</td> <td>209</td> <td>44</td> <td>** Reissue independent claims over original patent</td> <td></td> </tr> <tr> <td>110</td> <td>18</td> <td>210</td> <td>9</td> <td>** Reissue claims in excess of 20 and over original patent</td> <td></td> </tr> </tbody> </table>						Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	103	18	203	9	Claims in excess of 20		102	88	202	44	Independent claims in excess of 3		104	300	204	150	Multiple dependent claim, if not paid		109	88	209	44	** Reissue independent claims over original patent		110	18	210	9	** Reissue claims in excess of 20 and over original patent	
Large Entity		Small Entity		Fee Description	Fee Paid																																								
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																										
103	18	203	9	Claims in excess of 20																																									
102	88	202	44	Independent claims in excess of 3																																									
104	300	204	150	Multiple dependent claim, if not paid																																									
109	88	209	44	** Reissue independent claims over original patent																																									
110	18	210	9	** Reissue claims in excess of 20 and over original patent																																									
SUBTOTAL (2)					(\$) 0																																								

\*or number previously paid, if greater; For Reissues, see above

\*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 430.00

SUBMITTED BY		Complete (if applicable)			
Name (Print/Type)	Kathleen W. Geiger, Esquire	Registration No. Attorney/Agent	35,880	Telephone	(302) 984-8076
Signature		Date	November 5, 2004		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038, Burden Hour Statement. This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Alexandria, VA 22313-1450.

NOV 05 2004

PTO/SB/22(10-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

<b>PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)</b>		Docket Number (Optional) AM100401
In re Application of: John A. Robinson et al.		
Application Number: 10/705,716	Filed: November 10, 2003	
For: A NOVEL PTH RESPONSIVE GENE		
Group Art Unit 1653	Examiner Anand U. Desai	

This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a reply in the above identified application.

The requested extension and appropriate non-small-entity fee are as follows (check time period desired):

<input type="checkbox"/> One month (37 CFR 1.17(a)(1))	\$110.00
<input checked="" type="checkbox"/> Two months (37 CFR 1.17(a)(2))	\$430.00
<input type="checkbox"/> Three months (37 CFR 1.17(a)(3))	\$980.00
<input type="checkbox"/> Four months (37 CFR 1.17(a)(4))	\$1530.00
<input type="checkbox"/> Five months (37 CFR 1.17(a)(5))	\$2080.00

☐ Applicant claims small entity status. See 37 CFR 1.27. Therefore, the fee amount shown above is reduced by one-half, and the resulting fee is: \$ \_\_\_\_\_.

☐ A check in the amount of the fee is enclosed.

☐ Payment by credit card. Form PTO-2038 is attached.

☐ The Commissioner has already been authorized to charge fees in this application to a Deposit Account.

☒ The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number 501447.

I have enclosed a duplicate copy of this sheet.

I am the ☐ applicant/inventor.

☐ assignee of record of the entire interest. See 37 CFR 3.71  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

☐ attorney or agent of record.

☒ attorney or agent under 37 CFR 1.34(a).  
Registration number if acting under 37 CFR 1.34(a). 35,880

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

Nov 5, 04

Date

Kathleen W. Geiger

Signature

Kathleen W. Geiger

Typed or printed name

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of 1 forms are submitted.

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☒ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**